EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S38	16392	parallel with reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:30
S41	254	S40 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:31
S40	450	S39 and ("422" or "208"). clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:31
S39	1215	parallel with reactor same (fixed or catalyst) bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:31
S42	0	S41 and heat exchange$1 same thermosiphon	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:34
S44	82	S41 and heat exchange$1	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:35
S43	0	S41 and heat exchange$1 and thermosiphon	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:35
S45	0	S44 and (multitubular) bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:43
S47	12	S44 and (multiple or plurality or plural or several or more or multitubular or multilayer) (catalyst bed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:44
S46	12	S44 and (multiple or plurality or plural or several or more) (catalyst bed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:44
S48	155124	("422" or "208").clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:46
S53	11	S52 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S52	15	(multitubular or multilayer or multi layer) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47

S51	0	S50 and @ad< "20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S50	3	(multitubular or multilayer) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S49	0	S48 and (multitubular or multilayer) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:47
S55	0	(multitubular or multilayer or multi layer) catalyst layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:48
S54	66	("2438450" | "2443462" | "2666749" | "2703315" | "2774742" | "2865866" | "2890162" | "2987470" | "3041271" | "3169827" | "3278421" | "3340180" | "3362901" | "3365389" | "3530066" | "3725531" | "3867281" | "3873470" | "3891541" | "3898155" | "3901792" | "3920540" | "3977961" | "4016067" | "4019978" | "4039430" | "4105587" | "4115248" | "4188284" | "4272357" | "4297242" | "4374020" | "4407735" | "4411771" | "4422960" | "4437980" | "4444655" | "4492626" | "4552650" | "4560466" | "4564441" | "4568664" | "4572778" | "4584093" | "4587012" | "4628040"). PN. OR ("4895816"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:48
S59	45	S58 and @ad< "20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49
S58	85	catalyst bed layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49
S57	1	catalyst bead layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49
S56	10650	catalyst layer	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 09:49

S60	1	"20020170976".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 15:48
S61	59	("20020014106" | "20020042140" | "20020045265" | "20020048536" | "20040141893" | "20050009175" | "20050175519" | "3431077" | "3536452" | "4099923" | "4705669" | "4869282" | "4996387" | "5089232" | "5252294" | "5304354" | "5324483" | "5417938" | "5534328" | "5580523" | "5589136" | "5593642" | "5595712" | "5603351" | "5611214" | "5639423" | "5658537" | "5690763" | "5750906" | "5776359" | "5780748" | "5811062" | "5833926" | "5842787" | "5843385" | "5863801" | "5865417" | "5869004" | "5872010" | "5922591" | "5927325" | "5959297" | "5985356" | "6004617" | "6030917" | "6033544" | "6063633" | "6087181" | "6149882" | "6175409" | "6616909" | "6680044" | "6737026" | "6749814" | "6805841" | "6881312" | "6902934"). PN. OR ("7118917"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:13
S65	20	S64 and reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S64	142	S63 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S63	229	thermosiphon with heat exchange$1	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S62	1135	thermosiphon	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/21 16:17
S68	11463	carbon monoxide with hydrogen with catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:32

S67	0	carbon monoxide with hydrogen with catalyst same (multilayer near (catalyst bed))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:32
S66	0	carbon monoxide with hydrogen with catalyst same multitubular bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:32
S71	3	S70 and parallel reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:33
S70	85	S69 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:33
S69	225	carbon monoxide with hydrogen with catalyst and (multi or plural or plurality or multiple or two or more) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:33
S72	10	S70 and (production or producing or produce) near methanol	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:35
S74	14	S73 and (tube shell or bundle or multitubular) reactor and catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:38
S73	760	((carbon monoxide with hydrogen) or syngas) same (production or producing or produce) near methanol	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:38
S77	5	S76 not S74	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:52
S76	19	S75 and (tube shell or bundle or multitubular) reactor and catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:52
S75	1881	((carbon monoxide with hydrogen) or syngas) and (production or producing or produce) near methanol	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:52

S78	25	(US-20020048536-$ or US-20020170976-$ or US-20030014974-$ or US-20030068260-$ or US-20030083535-$ or US-20030175173-$ or US-20060180501-$).did. or (US-2852545-$ or US-3334971-$ or US-3911896-$ or US-3968653-$ or US-4767791-$ or US-4789528-$ or US-4801573-$ or US-5202517-$ or US-5266281-$ or US-5520890-$ or US-5558783-$ or US-5750823-$ or US-6482366-$ or US-6936082-$ or US-7118917-$ or US-7150994-$).did. or (US-2852545-$ or US-3334971-$).did.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:55
S79	4	S78 and (thermosiphon or thermo siphon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:56
S80	557	heat (exchanger or exchange) same (thermosiphon or thermo siphon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 08:59
S82	9	S81 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:00
S81	9	S80 and catalyst reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:00
S84	6	S83 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:28
S83	8	carbon monoxide with hydrogen with cobalt and (multitubular or tube shell or bundle) reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:28
S85	5	(Production or producing or making or produce) (methanol) and catalyst with cobalt and (multitubular or tube shell or bundle) reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:29
S87	18	S86 and @ad<"20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:33

S86	56	((carbon monoxide with hydrogen) or syngas or synthesis gas) and catalyst with cobalt and (multitubular or tube shell or bundle) reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 09:33
L2	68	1 and @ad< "20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:37
L1	124	multitubular reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:37
L3	0	multitubular catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:38
L4	67	2 and catalyst	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:40
L6	321	5 and @ad< "20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:41
L5	563	(multi or plurality or multiple) catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:41
L7	53	6 and catalyst same (two or more or multiple or plural) (reactor or section)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:42
L9	10	8 and @ad< "20020704"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:43
L8	16	(tube shell) reactor and catalyst bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/10/22 12:43

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